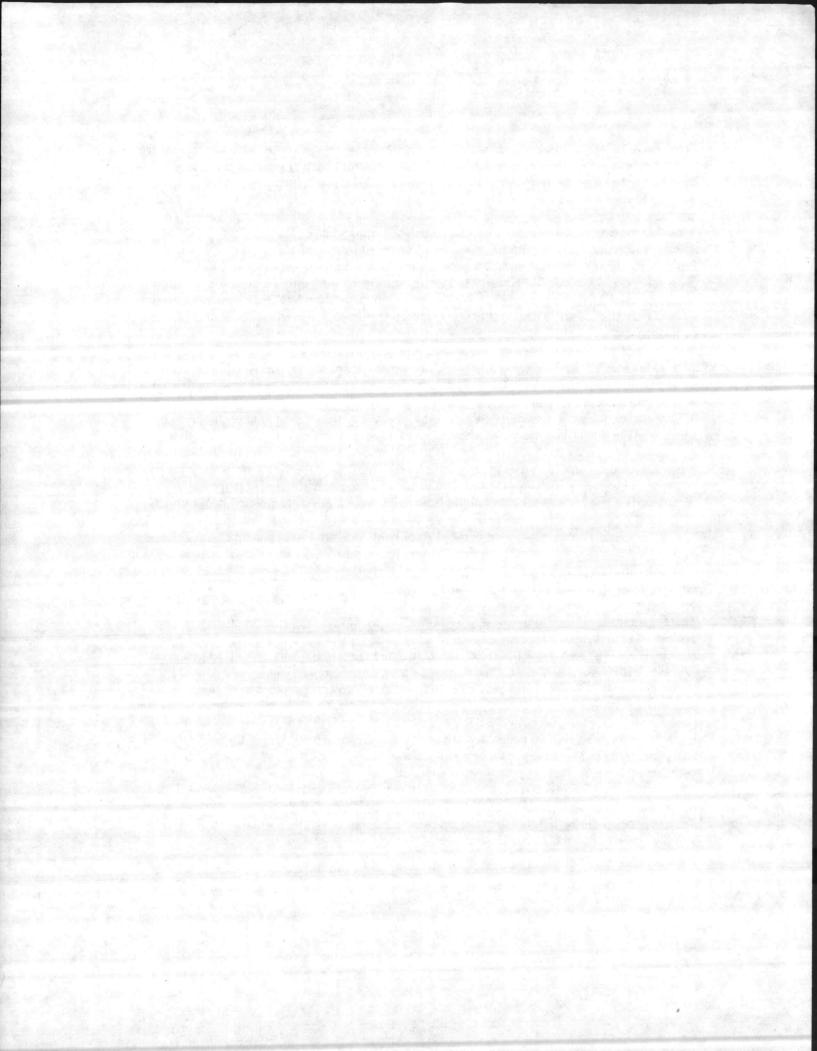
In the early 1980's, during routine testing of water supply systems aboard Marine Corps Base, Camp Lejeune, trace amounts of volatile organic compounds (VOC's) were unexpectedly detected in the drinking water in the Tarawa Terrace and Hadnot Point areas. At the time, there were no limits for VOC's in drinking water (regulatory standards were not established until 1991) and the Camp Lejeune water systems met all requirements of the Safe Drinking Water Act. Although the drinking water met all state and federal requirements, Camp Lejuene began a thorough search via the Naval Assessment and Control of Institutional Pollutants (NACIP) Program to identify potential hazardous waste sites, including possible sources of VOC's in drinking water. In late 1984 and early 1985, twelve wells on the Camp Lejeune water system were determined to have groundwater contamination in the form of VOC's. These wells were immediately shut down. The investigation was then expanded to determine the source of the contamination.

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Similar compounds were also found in the Hadnot Point Industrial Area aboard Camp Lejeune. Several underground storage tanks of metal degreasers leaked VOC's into the groundwater which were subsequently drawn into the supply water wells. In late 1984 and early 1985, based on NACIP findings, these wells were permanently closed.

There is limited evidence that exposure to VOC's in drinking water during pregnancy may be associated with increased incidence of childhood leukemia. As part of DoD's environmental cleanup program, the Agency for Toxic Substances and Disease Registry (ATSDR) published a "Public Health Assessment for United States Marine Corps, Camp Lejeune" on 4 August 1997. In this document ATSDR recommended a study to determine adverse pregnancy outcomes potentially resulting from mothers drinking water contaminated with certain compounds at Camp Lejeune. Results were inconclusive due to small sample size. ATSDR is now attempting to locate approximately 12,500 people who lived at Camp Lejeune between 1968 - 1985 and who also conceived or gave birth to children during that time. ATSDR will conduct a health survey with these people concerning potential childhood illnesses to determine if there is a potential link between childhood illness and contaminated drinking water at Camp Lejeune.

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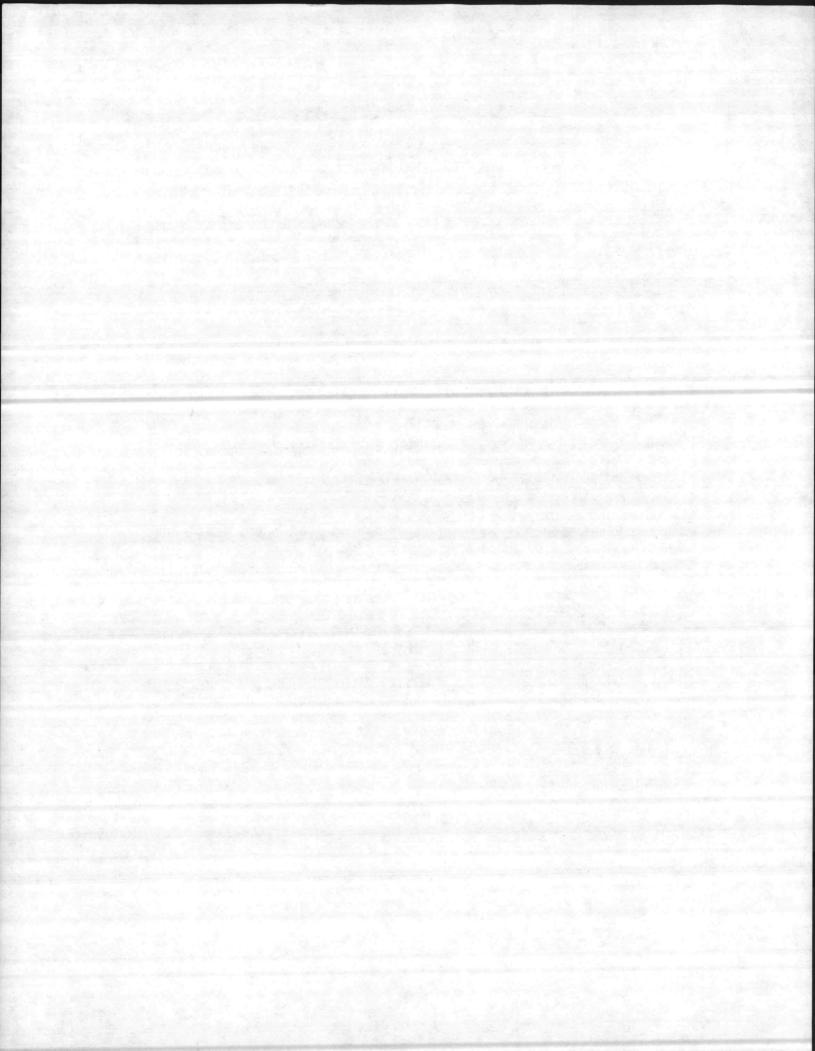
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Similar compounds were also found in the Hadnot Point Industrial Area aboard Camp Lejeune. Several underground storage tanks of metal degreasers leaked VOC's into the groundwater which were subsequently drawn into the supply water wells. The use of VOC's continues on board Camp Lejeune today; however, advances in closed-loop systems and stringent laws governing the use of VOC's have basically eliminated the potential for further contamination. Five groundwater remediation systems (at a total cost of approximately \$25 million) are currently operating throughout the Base to remove VOC's from the groundwater aquifer.

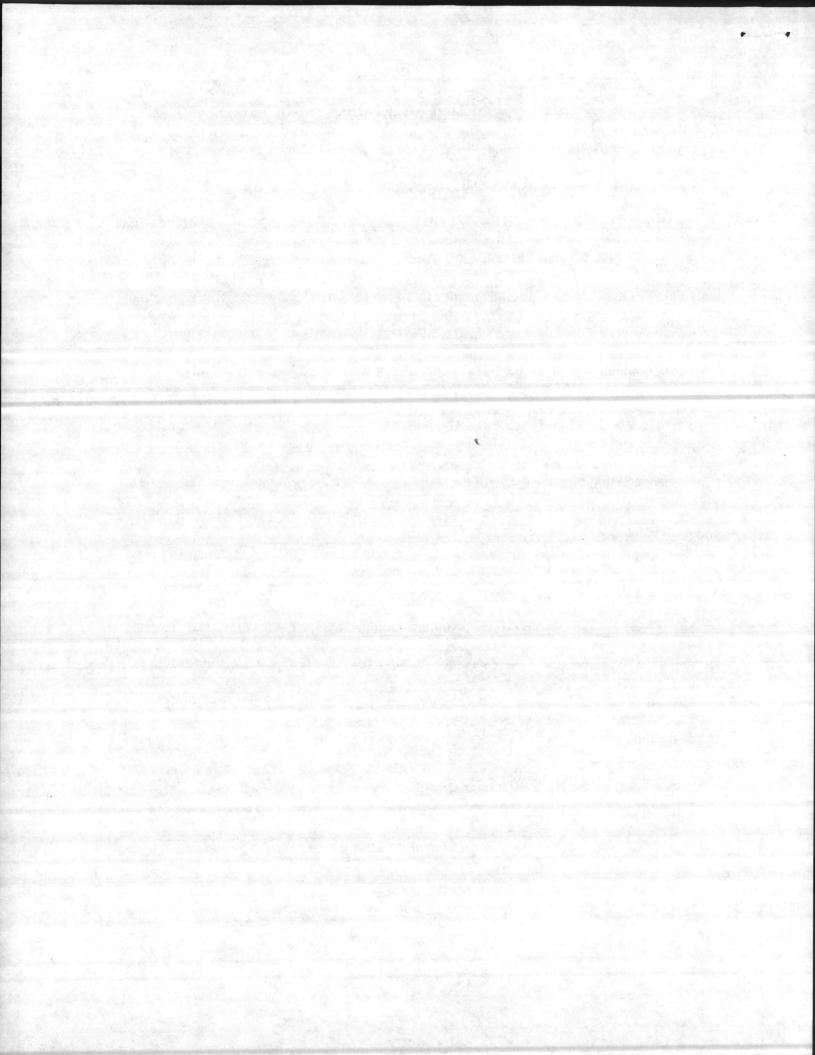
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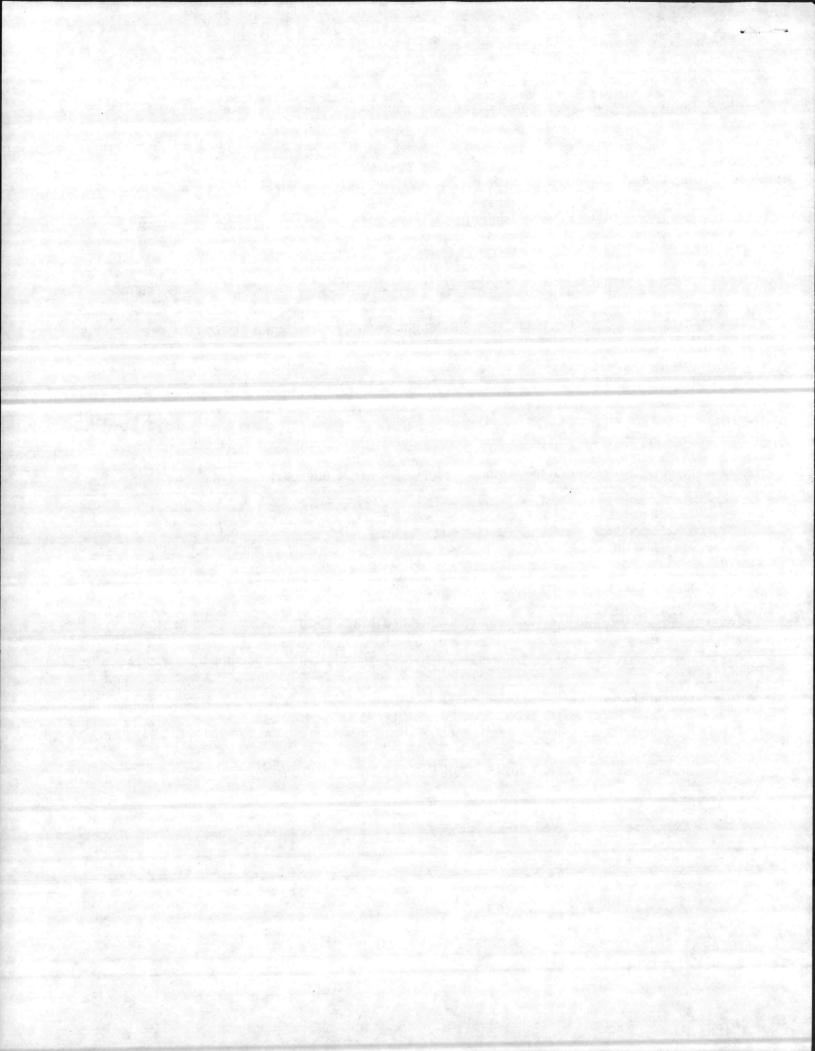
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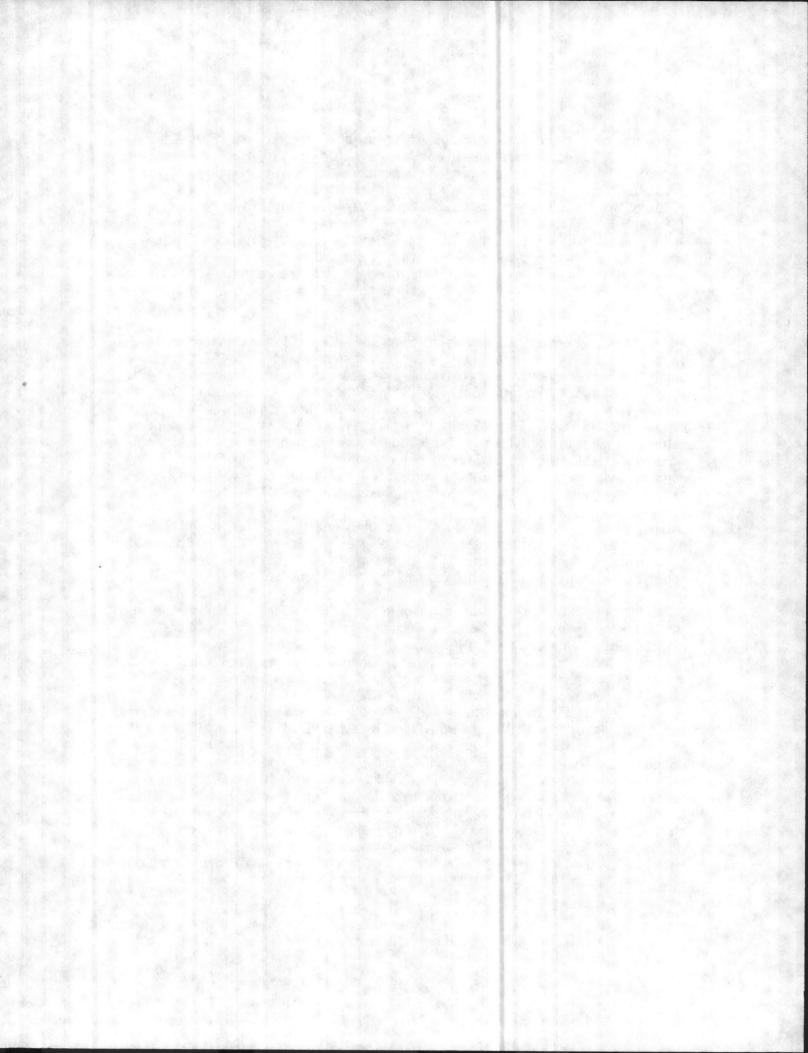


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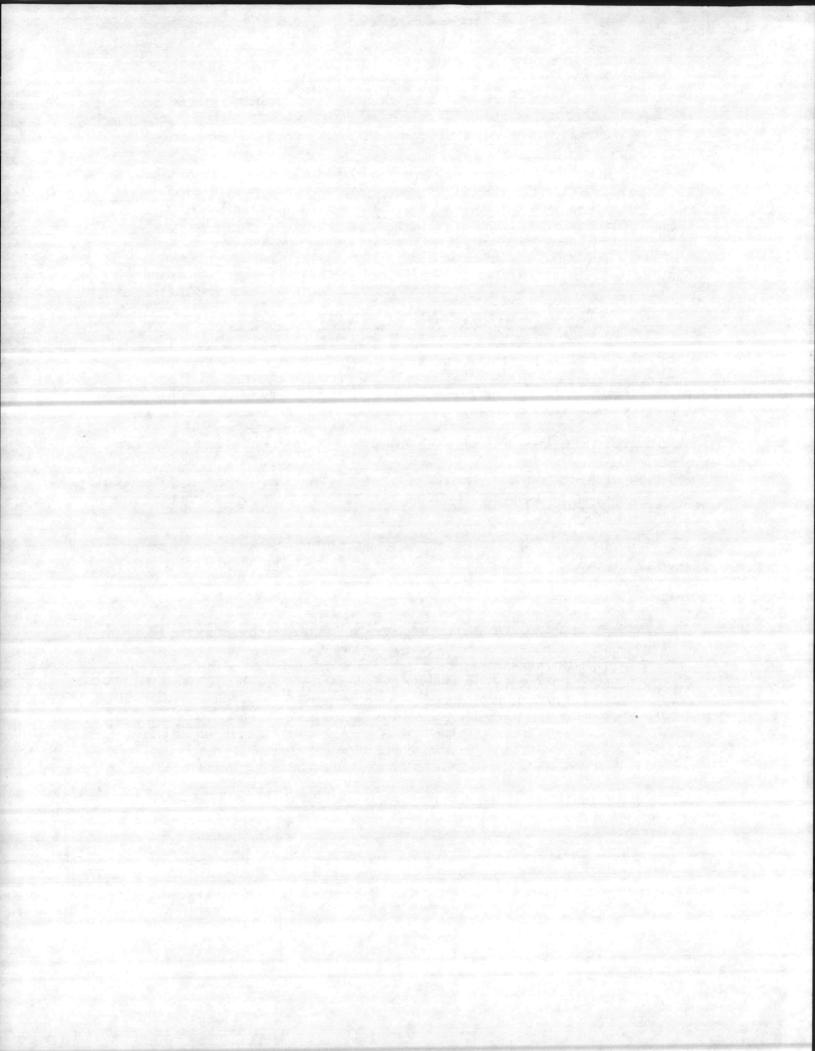
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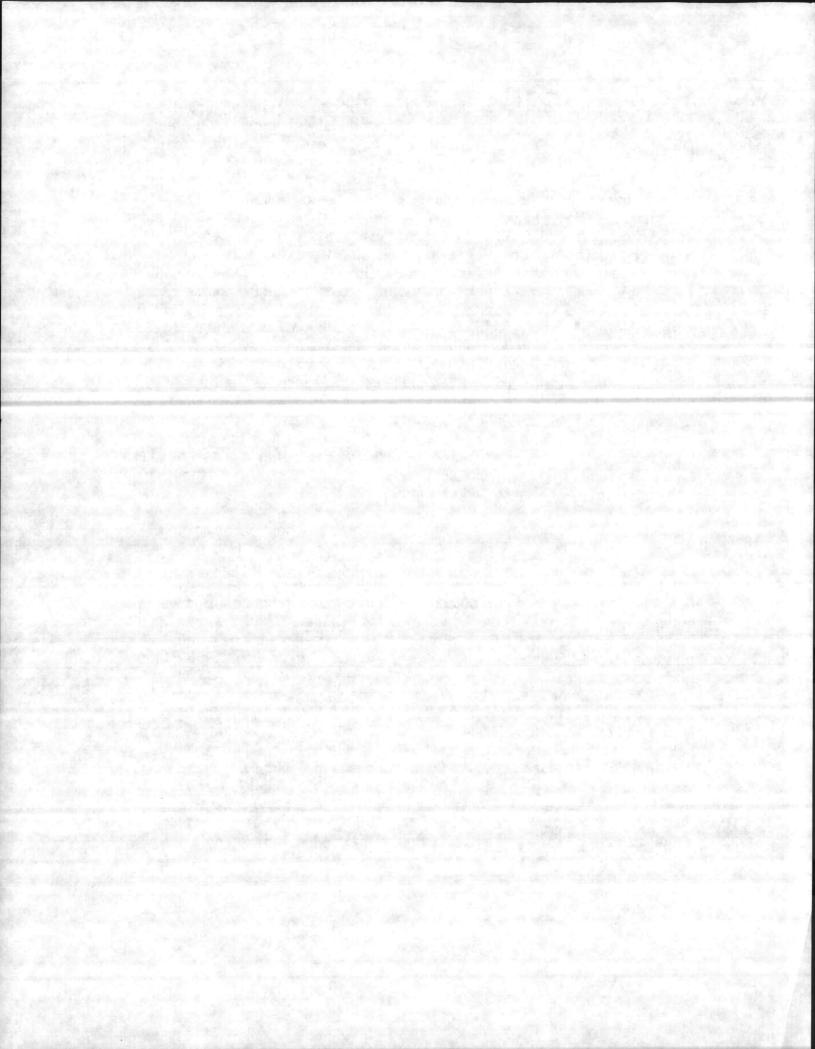
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